

## Mission Scientist Report for Wednesday, 29 May 2013

Submitted by tjlang on Wed, 05/29/2013 - 09:48

Date:

Wednesday, May 29, 2013 - 09:30

Discussion:

All instruments are fully green with minor exceptions. XPOL-5 is operational but the firewall issue was not resolved yesterday, unfortunately, so remote monitoring is not possible. XPOL-3 is on standby but can operate whenever high winds are not present.

Generally there was only scattered precipitation occurring within the greater NPOL domain yesterday, but there were strong thunderstorms in southern Iowa late in the day, and these occasionally exhibited hail and mesocyclones when they appeared on scope near max range. NPOL only rarely got out of pure rain mapping to examine occasional short-lived precipitation along the disdrometer radial, or in the northern river basins. There were a lot of artifacts (insects, second-trip echo, anomalous propagation, etc.), often mixed with real precipitation, so yesterday may be a good day to test quality control algorithms. D3R did some scanning of mammatus from the southern convection, which may be of interest.

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